



CellPipe 20A-USB

The Cellpipe™ 20A-USB is Lucent's easy-to-use economical ATM-based IP router/bridge digital subscriber line (DSL) modem with USB support. This customer premise equipment (CPE) modem enables the residential user to leverage their existing local copper loop infrastructure to utilize high-speed DSL services – at speeds 200 times faster than traditional dial-up modems.



High-speed, high-bandwidth solutions

The CellPipe 20A-USB modem is a key component in the Lucent end-to-end DSL solution, providing the PC-to-DSL connection that supports a full range of high-bandwidth applications. It allows high-speed connections over a single copper pair with data rates of up to 8 Mbps downstream and 1024 Mbps upstream for asymmetric DSL (ADSL). Used with Lucent's external POTS splitters and filters, the ADSL modem supports one baseband analog voice line being carried over the same copper pair as DSL.

No waiting- always on

The CellPipe 20A-USB modem operates as a standard network adapter with an "always-on" connection. This means email is always up-to-date, and users do not have to log on or dial into the Internet or corporate network. In addition, this device boosts user efficiency with a continuous high-speed connection to applications such as the Internet and intranet, Web-based research, videoconferencing, network gaming, multimedia, Web hosting, and more.

Hardware Specifications

Dimensions

4 in. x 4.3 in. x 1 in. (10.2 cm x 10.9 cm x 2.6 cm)

Weight

0.5 lbs

LAN Interface

Universal Serial Interface (USB), Type B, Version 1.1

Operating Environment

Temperature:

32 - 120°F (0 - 50°C)

Humidity:

5 - 95% noncondensing

Power Requirements

Powered from USB Interface

Safety Compliance

EMC/RFI Compliance

FCC Part 15

WAN Interface

ADSL (RJ-11 Connector)

Line Impedance

100

Line Code

ITU G.DMT (G.992.1), G.Lite (G.992.2), T1.413 issue 2

Line Speed

Full Rate (G.DMT): 8 Mbps downstream, 1 Mbps upstream; G.Lite: 1.536 Mbps downstream, 512 Kbps upstream; T1.413 issue 2 rate: 6.144 Mbps downstream, 512 Kbps upstream

Software Specifications

ATM Layer

UBR

Up to 8 PVCs

RFC 1483, multi-protocol over ATM

RFC 1577, IPoA

RFC 2364, PPP over ATM (CHAP and PAP supported)

RFC 2516, PPPoE (PPP over Ethernet) over ATM (with third party software)

Management

Microsoft Windows control panel monitoring program

PC O/S Supported

Microsoft Windows 98, 98SE, 2000, ME

Apple Macintosh

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Printed in the U.S.A.
07/01 • 01-BA-2



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